

Review Test Submission: Quiz 6.5

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Course	Intro to Control Systems - Fall 2020 Section Group I67
Test	Quiz 6.5
Started	10/6/20 11:44 AM
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Status	Completed
Attempt Score	3 out of 3 points
Time Elapsed	0 minute
Results Displayed	Submitted Answers, Incorrectly Answered Questions

Question 1

1 out of 1 points



If a system is asymptotically stable, ...

Selected Answer:

It is also BIBO stable.

Question 2

1 out of 1 points



If a system is BIBO stable, ...

Selected Answer:

It may be asymptotically stable, but additional information is needed to determine this.

Question 3

1 out of 1 points



Which of the following input-output pairs could be a counterexample, to disprove BIBO stability?

Selected Answer:

$$u(t) = e^{-2t}\mathbf{1}(t), y(t) = t\mathbf{1}(t)$$